Real01 for No. 9844

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=c x^{5}+a x^{3}+4 x^{4}+2 x^{2}-3 x+1 \\
\mathrm{q}(x)=-3 x+2 x^{2}-x^{3}+x^{5}+4 x^{4}-b
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 \\
\mathrm{q}(x)=3 x^{2}+5 x+1 \\
m=3 \\
n=4
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-4 x+4 \\
\mathrm{q}(x)=x^{3}-4 x^{2}-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+7 x-8=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-10 x+74=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+2, \mathrm{Q}(x)=x^{2}-5 x, \mathrm{R}(x)=2 x-7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+x^{3}+3 x^{2}+2 x-3 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+x^{3}+3 x^{2}+2 x-3 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right. \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-5 \\
\mathrm{~b}(x)=x^{2}-6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+3 x^{3}+3 x^{2}-3 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}-2 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$

[^0]\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{c}
\mathrm{p}(x)=-3 x^{4}+5 x^{5}-4 x^{3}+2-c x^{2} \\
\mathrm{q}(x)=-a x^{4}+5 x^{5}-4 x^{3}+b x-x^{2}+2
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=3 x^{2}+5 x-2 \\
m=2 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{3}+4 x^{2}-6 \\
\mathrm{q}(x)=x^{2}+3 x-6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-14 x+48=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-6 x+58=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2, \mathrm{Q}(x)=x^{2}+x, \mathrm{R}(x)=6 x+7\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 x^{4}+4 x^{3}+2 x^{2}+x-2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 x^{4}+4 x^{3}+2 x^{2}+x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-2 \\
\mathrm{~b}(x)=x^{2}-4
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}-4 x^{2}-x+3 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+4 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^1] Real01 for No. 9873
\[

$$
\begin{gathered}
\text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-2 x^{3}-2+a x^{2}+b x^{5} \\
\mathrm{q}(x)=4 x^{5}-2 x^{3}-4 x^{2}-c
\end{array}\right] \\
\text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+1 \\
\mathrm{q}(x)=4 x^{2}+3 x-3 \\
m=2 \\
n=3
\end{array}\right] \\
\text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 x+4 \\
\mathrm{q}(x)=x^{4}+4 x^{2}-3
\end{array}\right]
\end{gathered}
$$
\]

$$
\text { No04 }=\left(E q=\left[x^{2}+9 x+14=(x-a)(x-b)\right]\right)
$$

$$
\text { No05 }=\left(E q=\left[x^{2}+14 x+53=(x-a)^{2}+b^{2}\right]\right)
$$

$$
\text { No06 }=\left[\mathrm{D}(x)=x^{2}-x, \mathrm{Q}(x)=x^{2}-6, \mathrm{R}(x)=2 x+7\right]
$$

$$
N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-x^{4}-2 x^{3}+x^{2}+x-4 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-x^{4}-2 x^{3}+x^{2}+x-4 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-1 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}-3 x-2 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+2 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
$$

[^2] Real01 for No. 9884
\[

$$
\begin{gathered}
\text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=4 x^{5}+2 x^{3}+x^{2}+3 x+b x^{4} \\
\mathrm{q}(x)=4 x^{5}-a x^{3}+3 x^{4}+c x+x^{2}
\end{array}\right] \\
\text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+4 \\
\mathrm{q}(x)=4 x^{2}-3 x+5 \\
m=5 \\
n=3
\end{array}\right] \\
\text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{3}+5 x^{2}+2 \\
\mathrm{q}(x)=x^{2}+4 x-4
\end{array}\right] \\
\text { No07 }=\left[\begin{array}{r}
\text { No04 }=\left(E q=\left[x^{2}+7 x+6=(x-a)(x-b)\right]\right) \\
N o 05=\left(E q=\left[x^{2}+14 x+58=(x-a)^{2}+b^{2}\right]\right) \\
.1=\left[\begin{array}{r}
\mathrm{a}(x)=3 x^{5}+3 x^{3}+2 x^{2}-x-4 \\
\mathrm{~b}(x)=x
\end{array}\right] .2=\left[\begin{array}{r}
\mathrm{Q}(x)=3 x^{5}+3 x^{3}+2 x^{2}-x-4 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{r}
\mathrm{a}(x)=x^{3}+6 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] \quad .4=\left[\begin{array}{r}
\mathrm{a}(x)=x^{4}+2 x^{3}+3 x^{2}-x+1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
\left..5=\left[\begin{array}{r}
\mathrm{a}(x)=2 x^{5}-3 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] \quad \begin{array}{r}
\mathrm{a}(x)=x^{6}+5 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{gathered}
$$
\]

[^3] Real01 for No. 9885
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=2 x^{5}-2 x^{4}-2 x^{3}+2 x^{2}-c+x \\
\mathrm{q}(x)=2 x^{5}-2 x^{3}+x+a x^{2}-b x^{4}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=2 x^{2}-2 x+1 \\
m=4 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-3 x-6 \\
\mathrm{q}(x)=x^{4}-2 x^{3}+4
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+3 x-18=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+6 x+13=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-3, \mathrm{Q}(x)=x^{2}-x, \mathrm{R}(x)=3 x+2\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-4 x^{4}-x^{3}+3 x^{2}-3 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-4 x^{4}-x^{3}+3 x^{2}-3 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-6 \\
\mathrm{~b}(x)=x^{2}+4
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+2 x^{2}+4 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}+3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^4] Real01 for No. 9895
\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{l}
\mathrm{p}(x)=-c x^{5}+x^{4}-3 x^{3}+x^{2}-3 x+4 \\
\mathrm{q}(x)=4-3 x+x^{2}+3 x^{5}+a x^{4}+b x^{3}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 \\
\mathrm{q}(x)=3 x^{2}-2 x-1 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-6 x-5 \\
\mathrm{q}(x)=x^{2}-5 x+3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+10 x+9=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+6 x+10=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+6 x, \mathrm{Q}(x)=x^{2}-4, \mathrm{R}(x)=5 x+3\right] \\
& \begin{array}{cc}
N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+4 x^{4}-3 x^{3} \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+4 x^{4}-3 x^{3} \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+2 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+3 x-3 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+6 \\
\mathrm{~b}(x)=x^{3}+1
\end{array}\right]
\end{array}\right]
\end{array}
\end{aligned}
$$
\]

[^5] Real01 for No. 9898
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=4+2 x^{5}+x^{4}-2 x^{2}-a x+b x^{3} \\
\mathrm{q}(x)=2 x^{5}+x^{4}-3 x^{3}-2 x^{2}-c-4 x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=4 x^{2}-3 x-4 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{3}-3 x^{2}+3 \\
\mathrm{q}(x)=x^{2}-5 x-4
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+x-12=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-12 x+52=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+7, \mathrm{Q}(x)=x^{2}-4 x, \mathrm{R}(x)=5 x+2\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+x^{4}-3 x^{3}+4 x-2 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+x^{4}-3 x^{3}+4 x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right. \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+7 \\
\mathrm{~b}(x)=x^{2}+7
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}+2 x-5 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 \\
\mathrm{~b}(x)=x^{2}+2
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+4 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}+1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^6]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=3 x^{5}+4 x^{4}+a x^{2}-x^{3}-3 x+2 \\
\mathrm{q}(x)=3 x^{2}-x^{3}+3 x^{5}+4 x^{4}-b+c x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 \\
\mathrm{q}(x)=2 x^{2}-3 x+1 \\
m=4 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-6 x-4 \\
\mathrm{q}(x)=x^{3}+3 x^{2}+2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[-x+x^{2}-12=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+12 x+61=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+5 x, \mathrm{Q}(x)=x^{2}-3, \mathrm{R}(x)=4 x-7\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+4 x^{4}+4 x^{3}+x^{2}+4 x+3 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+4 x^{4}+4 x^{3}+x^{2}+4 x+3 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+5 \\
\mathrm{~b}(x)=x^{2}-7
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-4 x^{2}-3 x+5 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^7] Real01 for No. 9920
\[

\left.$$
\begin{array}{c}
\text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-x^{4}+4 x^{5}-x^{3}-4 x^{2}-x+c \\
\mathrm{q}(x)=-a x^{4}+4 x^{5}-b x^{2}-x^{3}-x-2
\end{array}\right] \\
N o 02=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=3 x^{2}-5 x-2 \\
m=3
\end{array}\right] \\
n=2
\end{array}
$$\right] \quad $$
\begin{gathered}
\text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+6 x-3 \\
\mathrm{q}(x)=x^{3}-6 x^{2}-5
\end{array}\right] \\
\text { No07 }=\left[\begin{array}{c}
\text { No04 }=\left(E q=\left[x^{2}-7 x-8=(x-a)(x-b)\right]\right) \\
N o 05=\left(E q=\left[x^{2}+2 x+26=(x-a)^{2}+b^{2}\right]\right) \\
.3=\left[\begin{array}{r}
\mathrm{a}(x)=x^{3}+7 \\
\mathrm{~b}(x)=x^{2}+4
\end{array}\right] \quad .4=\left[\begin{array}{r}
\mathrm{a}(x)=x^{4}+x^{3}-2 x^{2}-3 x+4 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
\left..5=\left[\begin{array}{r}
\mathrm{a}(x)=4 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] \quad \begin{array}{r}
\mathrm{a}(x)=x^{5}+3 x^{4}+4 x^{2} \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] \quad .2=\left[\begin{array}{r}
\mathrm{a}(x)=x^{5}+3 x^{4}+4 x^{2} \\
\mathrm{a}(x)=x^{6}+6 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}-1
\end{array}\right]
\end{array}\right]
\end{gathered}
$$
\]

[^8]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=3 x^{5}+4 x^{3}+2 x^{2}+x+a+b x^{4} \\
\mathrm{q}(x)=3 x^{5}+2 x^{4}-c x^{2}+4 x^{3}+x+1
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=3 x^{2}+4 x+3 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-5 x+2 \\
\mathrm{q}(x)=x^{4}-5 x^{2}-6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+8 x+12=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+4 x+29=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-3, \mathrm{Q}(x)=x^{2}-7 x, \mathrm{R}(x)=5 x-3\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-3 x^{4}+2 x^{3}+4 x^{2}-2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-3 x^{4}+2 x^{3}+4 x^{2}-2 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-2 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+4 x^{2}+3 x-2 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & 6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}-3 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^9] Real01 for No. 10017
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=4+3 x^{2}-a x^{4}+b x^{5} \\
\mathrm{q}(x)=5 x^{5}-x^{4}-c x^{2}+4
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=4 x^{2}+x-2 \\
m=5 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{3}+4 x^{2}+6 \\
\mathrm{q}(x)=x^{2}+6 x-5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+13 x+42=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+8 x+17=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+2 x, \mathrm{Q}(x)=x^{2}+6, \mathrm{R}(x)=4 x-7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+4 x^{4}-2 x^{3}+x^{2}-3 x-2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+4 x^{4}-2 x^{3}+x^{2}-3 x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+4 x^{3}+3 x^{2}+x+1 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}-3 \\
\mathrm{~b}(x)=x^{3}+1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^10] Real01 for No. 10057
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-3 x^{3}+4 x^{4}-2 x-b x^{5}-c x^{2} \\
\mathrm{q}(x)=3 x^{5}+4 x^{4}-3 x^{3}+a x-x^{2}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+3 \\
\mathrm{q}(x)=3 x^{2}+2 x-2 \\
m=4 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{3}+5 x^{2}+2 \\
\mathrm{q}(x)=x^{2}-3 x-2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-11 x+18=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-12 x+85=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2 x, \mathrm{Q}(x)=x^{2}-6, \mathrm{R}(x)=3 x+7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-4 x^{4}+4 x-3 \\
\mathrm{~b}(x)=x
\end{array}\right. & .2=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-4 x^{4}+4 x-3 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-2 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-4 x^{2}-x-4 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+2 x^{3}+5 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^11]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=4 x^{5}-a x^{3}-2 x^{2}-c+4 x \\
\mathrm{q}(x)=4 x+4 x^{5}+3 x^{3}+3+b x^{2}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-5 \\
\mathrm{q}(x)=3 x^{2}+x-5 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 x-3 \\
\mathrm{q}(x)=x^{4}-5 x^{2}-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[-11 x+x^{2}+28=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+10 x+34=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+4, \mathrm{Q}(x)=x^{2}-3 x, \mathrm{R}(x)=2 x-7\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+2 x^{4}-2 x^{3}-2 x^{2}-3 x+4 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+2 x^{4}-2 x^{3}-2 x^{2}-3 x+4 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+4 x^{3}-2 x+4 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-3 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^12] Real01 for No. 10071
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=4 x^{5}+c x^{3}-x^{2}-a-3 x \\
\mathrm{q}(x)=3+2 x^{3}+4 x^{5}-3 x+b x^{2}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+4 \\
\mathrm{q}(x)=3 x^{2}+5 x-3 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}+3 x^{3}+5 \\
\mathrm{q}(x)=x^{2}-2 x-5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+7 x+10=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+2 x+10=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2, \mathrm{Q}(x)=x^{2}-4 x, \mathrm{R}(x)=4 x+1\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-3 x^{4}-2 x^{3}-4 x^{2}-3 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-3 x^{4}-2 x^{3}-4 x^{2}-3 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+6 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+2 x^{2}+1 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+4 x^{3}-3 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^13] Real01 for No. 10088
\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{3}-4 x^{4}+x^{5}-b x^{2}+c \\
\mathrm{q}(x)=x^{5}-a x^{3}-4 x^{4}-1
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=3 x^{2}-4 x+2 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-3 x+2 \\
\mathrm{q}(x)=x^{4}-3 x^{2}-5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-x-72=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+4 x+20=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2, \mathrm{Q}(x)=x^{2}+3 x, \mathrm{R}(x)=4 x-5\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}+2 x^{2} \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}+2 x^{2} \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}-6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+2 x-1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-4 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+2 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^14] Real01 for No. 10385
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-3 x+x^{3}+5 x^{5}-a x^{4}+b x^{2} \\
\mathrm{q}(x)=5 x^{5}-4 x^{4}+x^{3}+2 x^{2}-c-3 x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 \\
\mathrm{q}(x)=4 x^{2}-x-5 \\
m=3 \\
n=4
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+5 x-4 \\
\mathrm{q}(x)=x^{3}+4 x+5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+x-2=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-2 x+37=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+x, \mathrm{Q}(x)=x^{2}-4, \mathrm{R}(x)=2 x-7\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-x^{4}+4 x^{3}+2 x^{2}-x \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-x^{4}+4 x^{3}+2 x^{2}-x \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-1 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}-4 x^{2}+x+2 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-3 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}-4 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^15] Real01 for No. 10387
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=5 x^{5}-3 x^{3}-2 x^{2}-4 x-2+b x^{4} \\
\mathrm{q}(x)=-c x^{5}+a x^{3}-4 x^{4}-2 x^{2}-4 x-2
\end{array}\right] \\
& \text { NoO2 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=3 x^{2}-4 x-5 \\
m=3 \\
n=2
\end{array}\right] \\
& N o 03=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-5 x+5 \\
\mathrm{q}(x)=x^{3}-3 x-2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-7 x-8=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+2 x+26=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-5, \mathrm{Q}(x)=x^{2}+4 x, \mathrm{R}(x)=3 x+4\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-3 x^{4}-3 x^{3}-2 x^{2}+4 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-3 x^{4}-3 x^{3}-2 x^{2}+4 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+2 \\
\mathrm{~b}(x)=x^{2}+6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}-4 x^{2}+x-3 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & 6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}+3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^16] Real01 for No. 10914
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=1+x^{3}+x^{5}+3 x^{2}+b x^{4} \\
\mathrm{q}(x)=x^{5}-c x^{3}-2 x^{4}+a x+3 x^{2}+1
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=2 x^{2}+x-5 \\
m=3 \\
n=2
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-6 x^{3}-4 \\
\mathrm{q}(x)=x^{2}-6 x+6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[2 x-24+x^{2}=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+4 x+13=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+7 x, \mathrm{Q}(x)=x^{2}-3, \mathrm{R}(x)=5 x+3\right] \\
& {\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}-3 x^{3}+x^{2}+x-4 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}-3 x^{3}+x^{2}+x-4 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-3 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}+2
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}+4 x+4 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+4 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}+3
\end{array}\right]
\end{array}\right]}
\end{aligned}
$$
\]

[^17] Real01 for No. 10945
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=1-4 x^{4}-3 x^{3}-2 x^{2}-x-a x^{5} \\
\mathrm{q}(x)=2 x^{5}-4 x^{4}+c x^{2}-3 x^{3}+b-x
\end{array}\right] \\
& \text { NoO2 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=3 x^{2}-x-4 \\
m=5 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{4}-4 x^{3}+6 \\
\mathrm{q}(x)=x^{2}+5 x+6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+12 x+27=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-10 x+41=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+4, \mathrm{Q}(x)=x^{2}-5 x, \mathrm{R}(x)=3 x-2\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 x^{4}-x^{3}-x-2 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 x^{4}-x^{3}-x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-2 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}+3 x^{2}-3 x+2 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+6 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}+1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^18] Real01 for No. 10954
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-3+4 x^{3}+2 x^{2}+4 x-b x^{4}-c x^{5} \\
\mathrm{q}(x)=2 x^{5}+a x^{3}+x^{4}+2 x^{2}+4 x-3
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=3 x^{2}+5 x-1 \\
m=5 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}+6 x+3 \\
\mathrm{q}(x)=x^{2}-3 x-6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-3 x-40=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+29=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2, \mathrm{Q}(x)=x^{2}-3 x, \mathrm{R}(x)=2 x+7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+3 x^{4}+x^{3}-2 x^{2}+4 x \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+3 x^{4}+x^{3}-2 x^{2}+4 x \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+5 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-x-5 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+2 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^19]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-x^{3}+2 x^{5}-3 x^{2}-x-a x^{4}-c \\
\mathrm{q}(x)=b x^{5}+3 x^{4}-x^{3}-3 x^{2}-x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=3 x^{2}-4 x+4 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{4}+6 x^{2}-4 \\
\mathrm{q}(x)=x^{2}-2 x-5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+7 x+10=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+29=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+7 x, \mathrm{Q}(x)=x^{2}-6, \mathrm{R}(x)=4 x-7\right] \\
& \left.N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+2 x^{4}+4 x^{3}+4 x^{2}-2 x+2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+2 x^{4}+4 x^{3}+4 x^{2}-2 x+2 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+5 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right]
\end{array}\right] .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+3 x^{3}+x^{2}+2 x-3 \\
\mathrm{~b}(x)=x+2
\end{array}\right] .\right]
\end{aligned}
$$
\]

[^20] Real01 for No. 11154
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=4-x^{4}-x^{3}-2 x^{2}-x+b x^{5} \\
\mathrm{q}(x)=-c x^{4}+x^{5}-x^{3}-2 x^{2}+a-x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=4 x^{2}-3 x-2 \\
m=5 \\
n=2
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+4 x+5 \\
\mathrm{q}(x)=x^{4}+2 x-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+14 x+45=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-10 x+41=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-2, \mathrm{Q}(x)=x^{2}-3 x, \mathrm{R}(x)=5 x-1\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+2 x^{4}+2 x^{3}-x \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}+2 x^{4}+2 x^{3}-x \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+7 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}+x^{2}-2 x-1 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+2 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^21]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-b x^{4}+x^{5}+2 x^{2}-a+4 x \\
\mathrm{q}(x)=2 x^{2}+2 x^{4}+4 x+c x^{5}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=3 x^{2}+2 x+5 \\
m=5 \\
n=2
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+3 x-4 \\
\mathrm{q}(x)=x^{4}-6 x-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+x-12=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+6 x+34=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+2 x, \mathrm{Q}(x)=x^{2}-1, \mathrm{R}(x)=6 x+5\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 x^{4}-4 x^{3}+2 x^{2}+4 x+3 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 x^{4}-4 x^{3}+2 x^{2}+4 x+3 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+1 \\
\mathrm{~b}(x)=x^{2}-7
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}+3 x^{2}-2 x-1 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-2 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^22]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{5}-c x^{3}+x^{4}+a x^{2}+3 \\
\mathrm{q}(x)=3+x^{5}+x^{4}-b x
\end{array}\right] \\
& \text { NoO2 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+1 \\
\mathrm{q}(x)=2 x^{2}-4 x+3 \\
m=3 \\
n=4
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+3 x-5 \\
\mathrm{q}(x)=x^{3}+3 x^{2}+4
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+10 x+9=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+2 x+17=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+6 x, \mathrm{Q}(x)=x^{2}+3, \mathrm{R}(x)=5 x-2\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 x^{4}+3 x^{3}-3 x^{2}+x-3 \\
\mathrm{~b}(x)=x
\end{array}\right] \\
.2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 x^{4}+3 x^{3}-3 x^{2}+x-3 \\
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}-6
\end{array}\right] & \left.\begin{array}{c}
3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^23] Real01 for No. 12037
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=3+2 x^{5}-a x^{2}+b x^{4} \\
\mathrm{q}(x)=2 x^{5}-x^{4}-c
\end{array}\right] \\
& \text { NoO2 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=2 x^{2}-4 x-1 \\
m=4 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+6 x-2 \\
\mathrm{q}(x)=x^{3}+6 x-6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-3 x-18=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+14 x+50=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-6 x, \mathrm{Q}(x)=x^{2}-3, \mathrm{R}(x)=3 x+7\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-2 x^{3}+2 x \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-2 x^{3}+2 x \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}-4
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+3 x^{3}+4 x+1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}+2 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^24] Real01 for No. 12454
\[

$$
\begin{gathered}
N O O 1=\left[\begin{array}{c}
\mathrm{p}(x)=x^{5}-x^{4}-2 x^{3}-a \\
\mathrm{q}(x)=-x^{4}-2+b x^{5}+c x^{3}
\end{array}\right] \\
N O 02=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=3 x^{2}-4 x+2 \\
m=4 \\
n=5
\end{array}\right] \\
N o 03=\left[\begin{array}{c}
\mathrm{p}(x)=x^{4}-4 x^{2}-2 \\
\mathrm{q}(x)=x^{2}+4 x-3
\end{array}\right] \\
{\left[\begin{array}{c}
\text { No04 }=\left(E q=\left[x^{2}+7 x+6=(x-a)(x-b)\right]\right) \\
N o 05=\left(E q=\left[x^{2}+14 x+58=(x-a)^{2}+b^{2}\right]\right) \\
N o 06=\left[\mathrm{D}(x)=x^{2}-4, \mathrm{Q}(x)=x^{2}+2 x, \mathrm{R}(x)=3 x-7\right]
\end{array}\right] .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-x^{4}-4 x^{3}-3 x^{2}-x-3 \\
\mathrm{a}(x)=x^{5}-x^{4}-4 x^{3}-3 x^{2}-x-3 \\
\mathrm{~b}(x)=x
\end{array}\right]} \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-5 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right]
\end{gathered}
$$
\]

[^25] Real01 for No. 12483
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=-b x^{5}+a x^{4}+2 x^{2}+4 x-4 \\
\mathrm{q}(x)=-4+2 x^{2}-4 x^{4}+4 x^{5}-c x
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=3 x^{2}+4 x-4 \\
m=5 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{4}-6 x^{2}-4 \\
\mathrm{q}(x)=x^{2}+5 x+3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-7 x+10=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+8 x+17=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-3, \mathrm{Q}(x)=x^{2}+7 x, \mathrm{R}(x)=4 x+1\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-4 x^{4}-3 x^{2}+4 x+4 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-4 x^{4}-3 x^{2}+4 x+4 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-6 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-4 x-1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+2 x^{3}+5 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^26] Real01 for No. 12557
\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{l}
\mathrm{p}(x)=2 x^{4}+3 x+a-b x^{5} \\
\mathrm{q}(x)=c x^{4}+5 x^{5}+3 x+2
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+4 \\
\mathrm{q}(x)=3 x^{2}-x-3 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-3 x+3 \\
\mathrm{q}(x)=x^{2}-4 x+2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-8 x+15=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+4 x+29=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+5, \mathrm{Q}(x)=x^{2}-7 x, \mathrm{R}(x)=3 x-1\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-2 x^{4}+2 x^{3}+2 x-2 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-2 x^{4}+2 x^{3}+2 x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}+2
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+3 x^{3}+1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+6 \\
\mathrm{~b}(x)=x^{3}+3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^27] Real01 for No. 12637
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=3 x^{5}-a x^{3}+4 x^{4}+4 x^{2}+4 x \\
\mathrm{q}(x)=4 x^{2}-3 x^{3}+4 x+b x^{4}-c x^{5}
\end{array}\right] \\
& \text { NoO2 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=4 x^{2}-3 x-1 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+2 x-6 \\
\mathrm{q}(x)=x^{4}-6 x^{3}-2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+7 x-18=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-6 x+13=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+7 x, \mathrm{Q}(x)=x^{2}-1, \mathrm{R}(x)=3 x-5\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+4 x^{3}+x^{2}-x+1 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+4 x^{3}+x^{2}-x+1 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-2 \\
\mathrm{~b}(x)=x^{2}+6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}-x^{2}+4 x+1 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}+2
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}+5 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^28] Real01 for No. 12689
\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{c}
\mathrm{p}(x)=-c x^{5}-2 x^{4}+4 x^{3}-2 x^{2}-x-1 \\
\mathrm{q}(x)=-2 x^{2}+4 x^{3}+4 x^{5}-1-a x+b x^{4}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+2 \\
\mathrm{q}(x)=4 x^{2}+5 x+4 \\
m=5 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-3 x-5 \\
\mathrm{q}(x)=x^{2}-2 x+2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-12 x+27=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+10 x+26=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+4, \mathrm{Q}(x)=x^{2}-3 x, \mathrm{R}(x)=3 x-7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
. l=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-x^{4}+3 x^{3}+3 x^{2}+4 x \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=x^{5}-x^{4}+3 x^{3}+3 x^{2}+4 x \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-6 \\
\mathrm{~b}(x)=x^{2}+6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-2 x^{2}+4 x+2 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+4 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+4 x^{3}+5 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^29]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=x-3 x^{4}+3 x^{5}-2 x^{2}+a-b x^{3} \\
\mathrm{q}(x)=c x^{5}-3 x^{4}-2 x^{3}-2 x^{2}+x-4
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-2 \\
\mathrm{q}(x)=4 x^{2}-4 x-5 \\
m=5 \\
n=4
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-2 x+5 \\
\mathrm{q}(x)=x^{2}+3 x-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-12 x+35=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+20=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-7 x, \mathrm{Q}(x)=x^{2}+4, \mathrm{R}(x)=5 x-1\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-4 x^{4}-4 x^{3}-3 x^{2}-4 x-2 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-4 x^{4}-4 x^{3}-3 x^{2}-4 x-2 \\
\mathrm{~b}(x)=x^{4}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+6 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & 4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}+4 x^{2}+5 \\
\mathrm{~b}(x)=x-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^30] Real01 for No. 13519
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=c x^{5}-3 x^{4}-b x^{2}-x^{3}+4 x \\
\mathrm{q}(x)=3 x^{2}-3 x^{4}+4 x^{5}+4 x+a x^{3}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+5 \\
\mathrm{q}(x)=3 x^{2}+4 x-2 \\
m=5 \\
n=2
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-5 x+6 \\
\mathrm{q}(x)=x^{3}-4 x^{2}-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+3 x-10=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+5=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-7, \mathrm{Q}(x)=x^{2}+2 x, \mathrm{R}(x)=6 x+7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+2 x^{4}-x^{3}+3 x^{2}+1 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+2 x^{4}-x^{3}+3 x^{2}+1 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+6 \\
\mathrm{~b}(x)=x^{2}-6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+4 x^{2}+1 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}-5 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^31] Real01 for No. 14276
\[

\left.$$
\begin{array}{c}
\text { No01 }=\left[\begin{array}{l}
\mathrm{p}(x)=4 x^{5}+2 x^{4}+4 x^{3}+c \\
\mathrm{q}(x)=b x^{5}-a x^{3}+2 x^{4}-2
\end{array}\right] \\
\text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+1 \\
\mathrm{q}(x)=3 x^{2}+x-4 \\
m=3 \\
n=4
\end{array}\right] \\
\text { No03 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-5 x+4 \\
\mathrm{q}(x)=x^{3}+3 x+2
\end{array}\right] \\
\text { No07 }=\left[\begin{array}{c}
\text { No04 }=\left(E q=\left[x^{2}+16 x+63=(x-a)(x-b)\right]\right) \\
\text { No05 = }\left(E q=\left[x^{2}+8 x+17=(x-a)^{2}+b^{2}\right]\right) \\
\text { No06 }=\left[\mathrm{D}(x)=x^{2}+4 x, \mathrm{Q}(x)=x^{2}-3, \mathrm{R}(x)=5 x-3\right]
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+3 x^{4}+x^{3}-3 x^{2} \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}+3 x^{4}+x^{3}-3 x^{2} \\
\mathrm{a}(x)=x^{3}-5 \\
\mathrm{~b}(x)=x^{2}-4
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=4 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right] \quad .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}+x^{2}+3 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+2 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}+2
\end{array}\right]
\end{array}
$$\right] .
\]

[^32] Real01 for No. 14331
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-3 x^{3}+2 x^{5}-2 x^{2}+1+a x+b x^{4} \\
\mathrm{q}(x)=2 x^{5}-c x^{3}+4 x^{4}-2 x^{2}+3 x+1
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-4 \\
\mathrm{q}(x)=3 x^{2}-4 x+1 \\
m=3 \\
n=2
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-6 x^{3}+4 \\
\mathrm{q}(x)=x^{2}+4 x-3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+7 x+12=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+13=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-5, \mathrm{Q}(x)=x^{2}-2 x, \mathrm{R}(x)=6 x+7\right] \\
& \text { No0 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{cc}
\mathrm{a}(x)=3 x^{5}-x^{4}+4 x^{2}+2 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-x^{4}+4 x^{2}+2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-7 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+x^{3}-2 x^{2}+2 x+2 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}+2
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^33]\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{l}
\mathrm{p}(x)=a x^{4}+5 x^{5}-3 x^{3}+x^{2}-x-2 \\
\mathrm{q}(x)=-x+x^{2}-x^{4}+5 x^{5}+b-c x^{3}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-2 \\
\mathrm{q}(x)=2 x^{2}-x-5 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{3}+6 x-4 \\
\mathrm{q}(x)=x^{2}+4 x+3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+5 x-24=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+12 x+37=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+5, \mathrm{Q}(x)=x^{2}-x, \mathrm{R}(x)=3 x+7\right] \\
& N 007=\left[\begin{array}{cc}
. l=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}-2 x^{3}+2 x^{2}+2 x-3 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=5 x^{5}-x^{4}-2 x^{3}+2 x^{2}+2 x-3 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+6 \\
\mathrm{~b}(x)=x^{2}+5
\end{array}\right] & 4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+3 x^{3}+x+2 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-3 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^34] Real01 for No. 14380
\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-b x^{5}+a x^{4}+2 x^{3}-3 x-4 \\
\mathrm{q}(x)=2 x^{3}-4 x^{4}+3 x^{5}-3 x-4-c x^{2}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+4 \\
\mathrm{q}(x)=2 x^{2}+4 x+3 \\
m=3 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-4 x-5 \\
\mathrm{q}(x)=x^{4}-3 x^{3}+5
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}+2 x-24=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}+12 x+45=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-4 x, \mathrm{Q}(x)=x^{2}-5, \mathrm{R}(x)=4 x+7\right] \\
& \text { No07 }=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+4 x^{4}+4 x^{3}-4 x-2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+4 x^{4}+4 x^{3}-4 x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}-4 \\
\mathrm{~b}(x)=x^{2}-6
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}+3 x^{2}+3 x+1 \\
\mathrm{~b}(x)=x-3
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+5 \\
\mathrm{~b}(x)=x^{2}+1
\end{array}\right] & .6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}-2 \\
\mathrm{~b}(x)=x^{3}-1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^35]\[

$$
\begin{aligned}
& \text { NoO1 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{5}-x^{4}+2 x^{3}-b x-2 x^{2}-1 \\
\mathrm{q}(x)=2 x^{3}-x^{4}+x^{5}-2 x-a x^{2}+c
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}+3 \\
\mathrm{q}(x)=3 x^{2}+3 x+1 \\
m=2 \\
n=3
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{4}-4 x+4 \\
\mathrm{q}(x)=x^{2}-6 x+3
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-15 x+54=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+20=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+2 x, \mathrm{Q}(x)=x^{2}-6, \mathrm{R}(x)=6 x-5\right] \\
& \left.N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 x^{4}-2 x^{3}+4 x^{2}-4 x-2 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}+2 x^{4}-2 x^{3}+4 x^{2}-4 x-2 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+2 \\
\mathrm{~b}(x)=x^{2}-1
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}-3
\end{array}\right]
\end{array}\right] \begin{array}{c}
4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+5 x^{3}-3 x^{2}-x+4 \\
\mathrm{~b}(x)=x+3
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+4 \\
\mathrm{~b}(x)=x^{3}-2
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^36]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=-4 x^{4}+3 x^{5}-x^{2}+b \\
\mathrm{q}(x)=-a x^{4}+3 x^{5}+c x-x^{2}+4
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-1 \\
\mathrm{q}(x)=3 x^{2}-4 x+1 \\
m=2 \\
n=5
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}+2 x+3 \\
\mathrm{q}(x)=x^{3}+2 x-2
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-14 x+45=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-2 x+50=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}+3 x, \mathrm{Q}(x)=x^{2}-6, \mathrm{R}(x)=3 x+1\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-4 x^{4}-3 x^{3}+x^{2}-3 x+4 \\
\mathrm{~b}(x)=x^{2}
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-4 x^{4}-3 x^{3}+x^{2}-3 x+4 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+4 \\
\mathrm{~b}(x)=x^{2}+6
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}-5 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+4 x^{3}+4 x^{2}+4 x-4 \\
\mathrm{~b}(x)=x+2
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+5 x^{3}+3 \\
\mathrm{~b}(x)=x^{3}+1
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^37]\[

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{c}
\mathrm{p}(x)=4 x^{5}-x^{3}+b x+x^{2}-1 \\
\mathrm{q}(x)=-4 x+x^{2}-x^{3}-1-a x^{5}+c x^{4}
\end{array}\right] \\
& \text { No02 }=\left[\begin{array}{c}
\mathrm{p}(x)=x^{2}-5 \\
\mathrm{q}(x)=3 x^{2}-3 x-1 \\
m=5 \\
n=4
\end{array}\right] \\
& \text { No03 }=\left[\begin{array}{l}
\mathrm{p}(x)=x^{2}-2 x+4 \\
\mathrm{q}(x)=x^{4}-5 x^{2}+6
\end{array}\right] \\
& \text { No04 }=\left(E q=\left[x^{2}-5 x+6=(x-a)(x-b)\right]\right) \\
& \text { No05 }=\left(E q=\left[x^{2}-4 x+20=(x-a)^{2}+b^{2}\right]\right) \\
& \text { No06 }=\left[\mathrm{D}(x)=x^{2}-7 x, \mathrm{Q}(x)=x^{2}-5, \mathrm{R}(x)=6 x-1\right] \\
& N 007=\left[\begin{array}{cc}
.1=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-x^{4}-3 x^{3}-2 x^{2}-x+1 \\
\mathrm{~b}(x)=x
\end{array}\right] & .2=\left[\begin{array}{c}
\mathrm{a}(x)=3 x^{5}-x^{4}-3 x^{3}-2 x^{2}-x+1 \\
\mathrm{~b}(x)=x^{3}
\end{array}\right] \\
.3=\left[\begin{array}{c}
\mathrm{a}(x)=x^{3}+3 \\
\mathrm{~b}(x)=x^{2}-4
\end{array}\right] \\
.5=\left[\begin{array}{c}
\mathrm{a}(x)=2 x^{5}+3 \\
\mathrm{~b}(x)=x^{2}-2
\end{array}\right] & .4=\left[\begin{array}{c}
\mathrm{a}(x)=x^{4}+2 x^{3}-3 x^{2}-4 x+1 \\
\mathrm{~b}(x)=x-2
\end{array}\right] \\
.6=\left[\begin{array}{c}
\mathrm{a}(x)=x^{6}+3 x^{3}+5 \\
\mathrm{~b}(x)=x^{3}-3
\end{array}\right]
\end{array}\right]
\end{aligned}
$$
\]

[^38]
##  [ $>$


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[^1]:    X [Page = 0002] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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[^37]:    X [Page = 0038] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^38]:    X [Page = 0039] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

